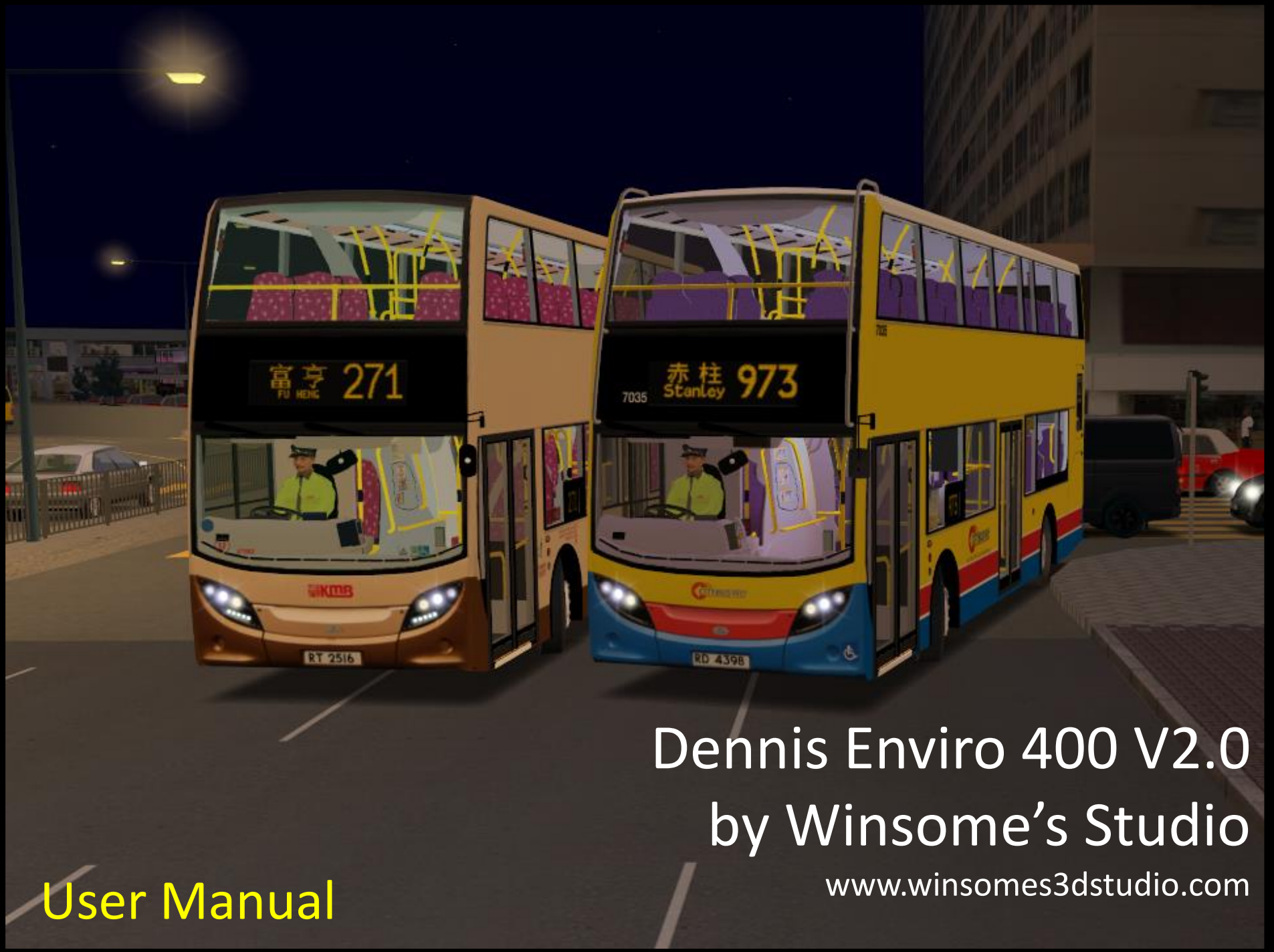


Dennis Enviro 400 V2.0
by Winsome's Studio

www.winsomes3dstudio.com

User Manual

Project	Dennis Enviro E400 With KMB Bodywork	Dennis Enviro E400 With CTB Bodywork
Length	10524 mm	10524 mm
Width	2550 mm	2550 mm
Height	4401 mm	4418 mm
Gearbox	Voith DIWA864.5D4	ZF6AP1403B8
Max. Power	320hp @ 2100rpm	320hp @ 2100rpm
Capacity	90 pax	90 pax

Important Notes

1. There are lots of updates in the interior model of the CTB variant (See these photos for details). The "next stop" announcement system is rewritten to give you a realistic feeling on the bus whilst enabling you to play around with the hof files with our user-friendly setting.
2. Modifications on model.cfg are made on both KMB and CTB buses. You don’t need an E400_KMB_AI.bus now as AI buses can just be set as E400_KMB.bus. Makers of cities please change your ailist settings accordingly. These modifications can bring you better frame rate when you load lots of AI E400.
3. Updates in E400 V1.1 are all included in this pack. You can make animated destination display on your own. Please refer to the manual of V1.1.
4. Please back up the old E400 before install V2.0. For players having OMSI V1.0 or 1.01, please download the V2.0A addon pack.
5. Many thanks to MB452, Naphthalene, FF3170, KT4404 being my team members and many thanks to MV9453, HKBRIC, HKBDRA, 3D Transport Studio, Kyle Ortiz and all other people who have given a hand to me.
6. V2.0 requires a higher computer specification than V1.0. For players feeling "lagger" than before, you can consider upgrading your computer.

E400 Development Team:

Maker: Winsome

Programmer: KT 4404 & FF 3170

Sound and Tune programmer:

MB452.D2866LOH & Naphthalene

Special Thanks to:

MV9453

龍仔

JG 249

HKBRIC

HKBRDA

PX 5685

MF5119AVD1

道路安全・DL9903

EV6424

Font packs from龍仔 and EV6424 are

Included in the E400 download package.

Installation

- Back up your old E400 folder and delete it completely.
- Put all the folders into OMSI directory
- Run OMSI
- Put all the route display files into Omsi\Vehicles\Anzeigen\HANOVER_ORANGE
- Put all the announcement files into Omsi\Vehicles\Dennis_Enviro400\Sound\Ansagen
- Put all the depot files (eg: GI.hof) into Omsi\Vehicles\Dennis_Enviro400\

Panel Buttons in KMB E400		
A. Battery ON/OFF Switch	F. Cockpit Light	K. Gearbox
B. Front Light Switch	G. Bus Full Light	L. Steering Wheel Switch
C. Hazard Beacon	H. Speed Meter	M. Blinker Pointer
D. Interior Light (Left)	I. RPM Meter	N. Wiper Switch
E. Interior Light (Right)	J. Engine Temperature Thermometer	O. Horn

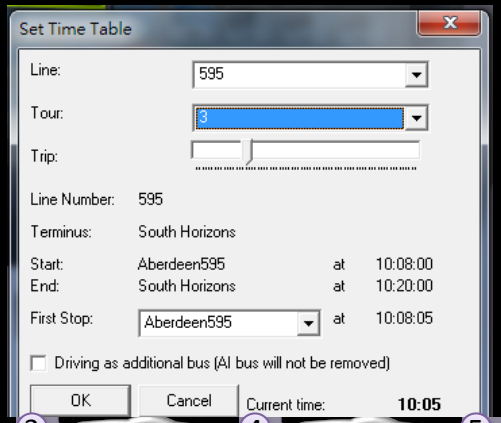
Panel Buttons in KMB E400	
P. Zf Openmatic Box *The warning sound appears when 1. Engine RPM > 1800 2. Speed > 75 km/h 3. Engine Idle > 15 mins 4. Severe Acceleration / Brake	R. Front Door (Left) Open
	S. Front Door Open
	T. Front Door Close
	U. Back Door Open
Q. Handbrake	V. Back Door Close

Panel Buttons in KMB E400	IBIS Buttons
W. Kneeling Down	1. Route (eg: 02000)
X. Restore Position	2. Entre
Y. Engine Start Panel (Please refer to Engine Start Guide.)	3. Cancel
	4. Number Pad
Z. Reverse Gear Lock** (Please refer to R Gear Lock Guide.)	5. Direction (eg: 01)
	6. Terminus (eg: 102)

Engine Start Guide	Reverse Gear Lock Guide
1. Press switch A to turn the switch from Off to Idle. Idle mode enables electricity on most apparatus. 2. Press button A again to start the engine. 3. The switch A goes back to Idle position when the engine is stablized. 4. Press B (the dark area) to switch off the engine.	1. If you wish to enable the Reverse Gear Lock, go to Omsi\Vehicles\Dennis_Enviro400\Script\cockpit_constfile_Donly.txt 2. Change the “cockpit_set_gear_need_brake” constant to 1 3. In OMSI, whenever you need to change the gear (D-N-R), you must press your brake. 4. If you want to change to Gear R, you need to press your brake AND press the **R (1)** button for 2 seconds.

Panel Buttons in CTB E400		
A. Battery ON/OFF Switch	H. Speed Meter	O. Horn
B. Front Light Switch	I. RPM Meter	P. Engine Start Panel (Please refer to Engine Start Guide)
C. Hazard Beacon	J. Engine Temp Thermometer	
D. Interior Light (Left)	K. Gearbox	Q. Restore position
E. Interior Light (Right)	L. Steering Wheel Switch	R. Kneeling Down
F. Cockpit Light	M. Blinker Pointer	S. Reverse Gear Lock (Please refer to R Gear Lock Guide)
G. Bus Full Light	N. Wiper Switch	

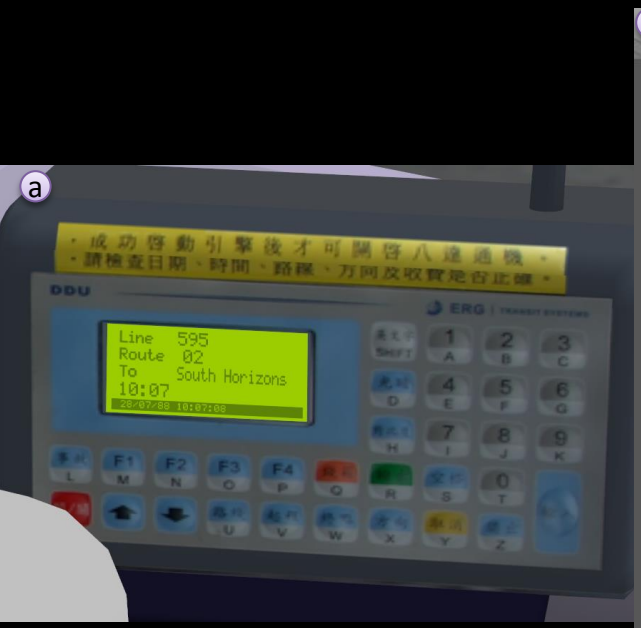
CTB Telargo Display Guide

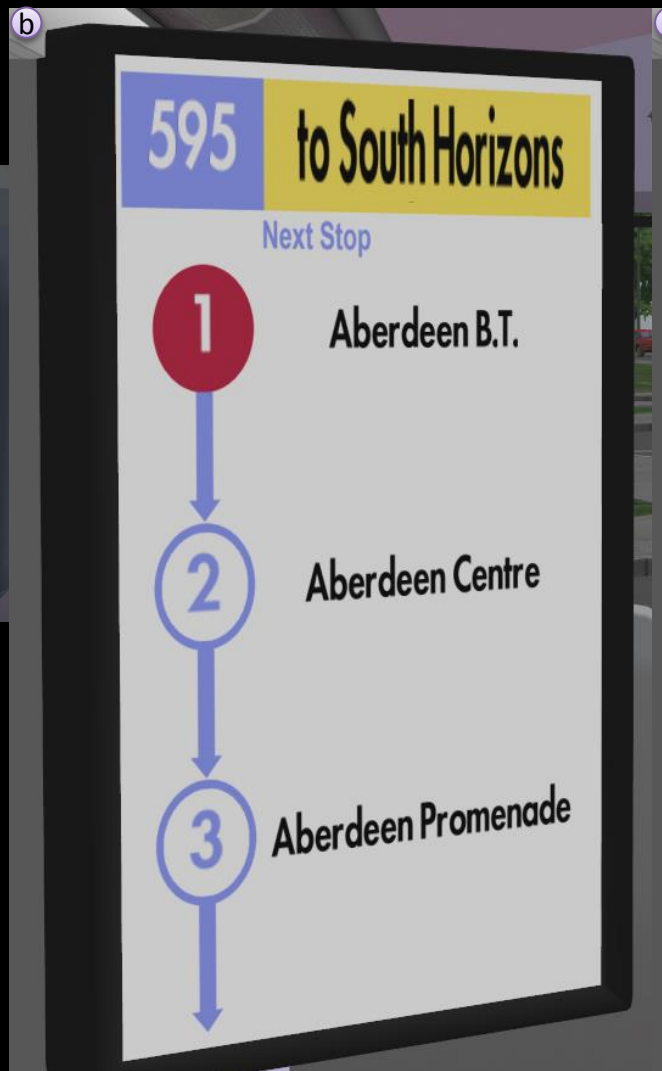


1. Set the Line and Tour under “Set Time Table”
2. Go to the Telargo Controller.
3. Press “INFO”.
4. Enter the Line (i.e. 59500).
5. Check if the line is correctly entered.
6. Press “INFO”.
7. Press “INFO” again to reach the ROUTE page.
8. Enter the route of the line (i.e. 02)
9. Check the terminus on the Controller Screen

CTB Telargo Display Guide

10. Check the Line, Route and Destination Information on the Ocotopus DDU Screen (a) and the LCD TV (b)&(c).





A/C System

1. Switch on the A/C by pressing the ON/OFF button.

2. The fan will be on to keep the temperature at 21’C.

3. The fan will turn off when the air temperature is below 20.5’C. The A/C light is then off.

1. When the battery is switched on.

2. When low light is on.
   (Press Shift L in OMSI)

3. When high light is on.
   (Press L in OMSI)

4. When remote light is on.
   (Press F in OMSI)

1. The CCTV shows the upper deck when the bus starts.

2. It shows the rear camera when the Gear R is engaged.

3. It shows the back door when the back door is open.

4. If you wish to take a look at the upper deck when the door is open, press the camera button.

Adding AI busses to your map

Take West Kowloon Hong Kong map as an example.

1. Go to Omsi\maps\HK West Kowloon\ailists.cfg
2. Change the vehicles\Dennis_Eniro500\ATE_MKI.bus line into Dennis_Enviro400\E400_KMB.bus
3. If you want to have both Enviro 500 and Enviro 400, change the 3rd line into Dennis_Enviro400\E400_KMB.bus
4. Update the [aigroup]HKWK Air-Con to:
   [aigroup]
   HKWK Air-con
   2
   0
   2
   HK West Kowloon
5. Make sure you put the .hof file of West Kowloon into the E400 folder.

ENJOY

Thank you for downloading the bus.

Please find me at https://www.facebook.com/winsomes.omsi.studio should you have any problems

The bus is free. Please also support us by buying the bus. We spent a lot of money and time on this huge project. Hope to see your donation =D.

winsome